Index of Claims



Application/Control No.

Chapman E. Jeanette

10/643,100

Examiner

Date

Reexamination

Applicant(s)/Patent under

BARNARD, KEN

Art Unit

3635

(Through numeral) Cancelled Rejected Restricted Allowed

Claim

Non-Elected Ν

Interference

Appeal Α 0 Objected

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|----------------|----------------------------------|------------|----------|--------------|---|--|--|----------|------------|-----------------|--|--|
|                | -                                |            |          |              |   |  |  |          |            |                 |  |  |
| Cla            | ıim                              | Date       |          |              |   |  |  |          |            |                 |  |  |
|                | <del>-</del>                     | 13         | . 1      |              |   |  |  |          |            |                 |  |  |
| Final          | Original                         | 13         | Į        |              |   | - 1  |  |          |            |                 |  |  |
| 🗄              | _i <u>.</u> E                    | 18         | `        | 1            |   |  |  |          |            |                 |  |  |
|                | 0                                | 11/2       | .        |              |   |  |  |          |            | 1               |  |  |
|                | 1                                | KX         | $\neg$   |              |   | $\neg$   |  |          |            |                 |  |  |
|                | -                                | 17         | $\dashv$ | $\dashv$     | $\neg$  |  | _  |          |            | _               |  |  |
| $\vdash$       | 7                                | Н          |          | $\dashv$     | -   |  |  |          |            |                 |  |  |
| $\vdash$       | 1<br>2<br>3<br>4                 | Н          |          | $\dashv$     |   |  |  |          |            |                 |  |  |
|                | 5                                | -1         |          |              | -   |  |  |          |            | $\dashv$        |  |  |
|                | 6                                | ₩          |          | $\dashv$     | $\dashv$  |  |  |          |            | $\dashv$        |  |  |
|                | 0                                | ╫┵         |          | $\dashv$     | -   | -  |  |          |            |                 |  |  |
|                | 7                                | #-         |          |              | _   | -  |  | _        |            |                 |  |  |
|                | 8                                | -          |          | _            | _   |  |  |          | $\dashv$   |                 |  |  |
|                | 9                                | <b>U</b> / |          | _            | _   |  |  |          | _          |                 |  |  |
|                | 10                               | V,         |          |              | _   |  |  |          |            | _               |  |  |
|                | 11                               | Y          |          |              | _   |  |  |          | Ш          | Ш               |  |  |
| <u></u>        | 12                               | $\coprod$  | Ш        |              |   |  |  | L_       | Щ          | Щ               |  |  |
| L              | 13                               | Ш          | Ш        |              | ,   |  |  |          |            | Щ               |  |  |
|                | 14                               | V          |          |              |   |  |  | L        | Ш          |                 |  |  |
|                | 11<br>12<br>13<br>14<br>15<br>16 | 0          |          |              |   |  |  | L        |            |                 |  |  |
|                | 16                               | Ш          |          |              |   |  |  |          |            |                 |  |  |
|                | 17                               | П          |          |              |   |  |  |          |            |                 |  |  |
|                | 18<br>19<br>20                   | V          |          |              |   |  |  |          |            |                 |  |  |
|                | 19                               | T          |          |              |   |  |  |          |            |                 |  |  |
|                | 20                               |            |          |              |   |  |  |          |            |                 |  |  |
|                | 21                               | ╁          |          |              |   |  |  | $\vdash$ | _          | $\Box$          |  |  |
| -              | 22                               | ╁╌         |          |              | _   |  |  |          |            | $\Box$          |  |  |
| <del>  -</del> | 22                               | $\vdash$   |          | -            |   | _  |  |          | $\vdash$   | $\dashv$        |  |  |
| <u> </u>       | 24                               | $\vdash$   | -        |              |   |  | <del>                                     </del> |          | -          | -               |  |  |
|                | 25                               | ╁          | -        | Н            | _   | $\vdash$   | $\vdash$   | $\vdash$ |            | H               |  |  |
| -              | 25<br>26                         | $\vdash$   | -        | -            |   | ┝╌   | -  |          | H          | -               |  |  |
|                | 27                               | ┼          |          |              |   | -  | -  | ┝        | ├─         | H               |  |  |
| _              | 27<br>28<br>29                   | -          |          | $\vdash$     | _   |  | -  | -        | H          | Н               |  |  |
|                | 28                               | -          |          |              | _   | -  |  |          | _          | Н               |  |  |
|                | 29                               | _          |          |              | _   |  |  | <u> </u> |            | Н               |  |  |
| <u> </u>       | 30<br>31                         | ₩          | _        | _            | _   | ļ.,  | _  | -        | _          | $\vdash$        |  |  |
| <u> </u>       | 31                               | 1_         | <u> </u> | <u> </u>     | Ļ   | $\vdash$   | $\vdash$   | <u> </u> | <b> </b> _ | $\sqcup$        |  |  |
| <u></u>        | 32                               | ऻ_         | <u> </u> | _            | <u> </u>  | _  | <u> </u>   | <u> </u> | _          | Щ               |  |  |
| <u></u>        | 33                               | <u> </u>   | <u> </u> | $oxed{oxed}$ | L   | L  | <u> </u>   | <u> </u> | <u> </u>   | Щ               |  |  |
|                | 34                               |            | _        | _            | $ldsymbol{ld}}}}}}$ |  | <u> </u>   |          | _          | Ш               |  |  |
|                | 35                               | L          |          | $oxed{oxed}$ | L.  | L_   |  |          | <u></u>    |                 |  |  |
|                | 36                               |            | تــــا   | <u>_</u>     | <u> </u>  | _  | $\Box$   | _        |            | Ш               |  |  |
|                | 37                               | Ĺ          |          |              |   |  | L.   |          | oxdot      | $\square$       |  |  |
|                | 38                               |            |          |              |   | L  |  | Ĺ        | $L^{T}$    |                 |  |  |
|                | 39                               |            |          |              |   |  |  |          |            |                 |  |  |
|                | 40                               | Т          |          |              | l   |  |  |          |            |                 |  |  |
|                | 41                               | Τ          | Г        |              | Г   | Γ  |  |          |            |                 |  |  |
|                | 42                               | 1          | Г        |              |   |  |  |          | Π          | П               |  |  |
|                | 43                               | 1          | T        |              | <del>                                     </del>  | 1  |  |          | Г          | П               |  |  |
|                | 44                               | †-         | $\vdash$ |              |   | 1  | Т  | Т        | Т          | Н               |  |  |
| -              | 45                               | +          | 1        |              | _   | <del>                                     </del> | t  | $\vdash$ | $\vdash$   | $\vdash \dashv$ |  |  |
| -              | 46                               | ╁          | t        | $\vdash$     | <del>                                     </del>  | $\vdash$   | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$        |  |  |
| -              | 47                               | +-         | $\vdash$ | -            | $\vdash$  | $\vdash$   | -  | -        | ├          | $\vdash$        |  |  |
| <del></del>    | 48                               | +-         | +        | -            | -   | $\vdash$   | -  | $\vdash$ | $\vdash$   | $\vdash$        |  |  |
| <b>—</b>       | 49                               | $\vdash$   | ╁        | $\vdash$     | $\vdash$  | $\vdash$   | $\vdash$   | ├-       | ╁          | H               |  |  |
| -              | 50                               | +          | ├        | -            | ⊢   | $\vdash$   | ⊢  | +-       | $\vdash$   | Н               |  |  |
| 1              | 1 711                            |            |          | 1            |   | 1  | 1  | 1        |            | . 1             |  |  |

| 10 |          |                         |          |          |  | Jak      |          |              |          |               | L   | Oic   | .,,,,,   |              |   |              |          |  | _        |          |            | _        |
|----|----------|-------------------------|----------|----------|--|----------|----------|--------------|----------|---------------|-----|-------|----------|--------------|---|--------------|----------|--|----------|----------|------------|----------|
|    | Original | 991S11E                 | , , ,    |          |  |          |          |              |          |               |     | Final | Original |              |   |              |          |  |          |          |            |          |
| 1  | 1        | N                       | -        | _        |  |          |          |              |          |               | Ī   |       | 51       | П            |   |              |          |  |          |          | П          |          |
|    | 2        | 7                       |          |          |  |          |          |              |          |               | Ì   |       | 52       | П            |   |              |          |  |          | П        |            | $\neg$   |
| 7  | 3        | H                       |          |          |  |          |          |              |          |               | ľ   |       | 53       | П            |   | _            |          |  |          |          | П          |          |
| _  | 4        | Н                       | $\vdash$ | _        | _  |          |          |              | _        |               | ŀ   |       | 54       |              |   | _            |          |  |          |          |            |          |
| _  | 5        | #-                      |          |          |  |          | _        |              | $\neg$   | $\neg$        | Ī   |       | 54<br>55 | П            |   |              |          |  |          |          |            |          |
| 7  | 6        |                         | $\vdash$ |          | Т  |          |          |              |          | $\neg$        | Ī   |       | 56       |              |   |              |          |  |          |          |            |          |
| ٦  | 7        | #-                      | $\vdash$ |          |  | _        |          |              |          | $\neg$        | Ì   |       | 57       | $\vdash$     | _   |              |          |  |          |          |            |          |
| _  | 8        | <del>  -</del>          | $\vdash$ |          | _  | _        |          |              |          | $\neg$        | - 1 |       | 58       |              |   |              |          |  |          |          |            | コ        |
| _  | 9        | <del>  -</del>          | $\vdash$ |          |  |          |          |              |          | Н             | ı   |       | 59       | $\vdash$     |   |              |          |  | _        |          |            | $\neg$   |
|    | 10       | V                       |          |          |  |          |          |              |          | $\neg$        | ı   |       | 59<br>60 | $\vdash$     |   |              | _        |  | _        |          |            |          |
| 7  | 11       | V                       |          |          | _  |          |          |              |          | П             | .   |       | 61       | П            | _   |              |          |  |          |          |            |          |
| _  | 12       | Ť                       |          |          |  |          |          | $\neg$       |          | П             | Ì   |       | 62       |              |   | _            |          |  |          |          |            | T.       |
| _  | 12<br>13 | 11                      |          | _        | _  |          |          |              |          |               | l   |       | 63       | H            |   |              |          |  |          |          |            | П        |
| _  | 14       | $\overline{\mathbf{V}}$ | T        |          | _  | _        | Н        | П            | $\neg$   | П             |     |       | 64       |              |   |              | _        | _                                      |          |          |            | $\Box$   |
| _  | 15       | ŏ                       | t        |          | -  | $\vdash$ |          |              |          |               | Ì   |       | 64<br>65 |              | _   |              |          |  |          |          |            | П        |
|    | 16       | ř                       | T        |          | _  |          |          |              |          |               |     |       | 66       | П            |   |              |          |  | T        |          |            | П        |
| _  | 17       | H                       | <b> </b> |          |  | Г        | <u> </u> |              |          | $\neg$        |     |       | 67       | $\Box$       |   |              |          |  |          |          |            | П        |
| _  | 18       | V                       | 1        |          |  | _        |          |              |          |               |     |       | 68       | $\Box$       |   |              |          |  |          |          |            | П        |
| _  | 19       | <b>  *</b>              | 1        | m        |  | _        |          |              |          | $\overline{}$ |     |       | 69       | П            |   |              |          |  |          | Г        |            | П        |
|    | 20       | ┢                       | t        |          |  | <u> </u> |          |              | _        | П             |     |       | 70       |              |   |              |          |  | Г        |          |            | П        |
|    | 20<br>21 | ╁                       | t        |          | -  | -        |          |              |          | П             |     |       | 71       |              |   |              |          |  |          |          |            | П        |
| _  | 22       | <u> </u>                | t        | -        | <del>                                     </del> | $\vdash$ | $\vdash$ | _            |          | П             |     |       | 72       |              |   |              |          |  | _        | Т        |            | П        |
| _  | 23       | H                       | _        | T        |  |          |          |              | _        | П             |     |       | 73       |              |   |              |          |  |          | Г        |            | П        |
| _  | 24       | $\vdash$                |          |          |  |          | 1        |              |          | М             |     |       | 74       |              |   | Г            |          |  |          |          |            |          |
| -  | 25       | $\vdash$                |          |          |  |          |          | $\Box$       |          | П             |     |       | 75       |              |   | Τ            |          |  | Г        |          |            | П        |
| _  | 26       | T                       | Г        |          |  |          |          |              |          |               |     |       | 76       |              |   |              |          | Г                                      |          |          |            | $\Box$   |
|    | 27       |                         | 1        |          |  | T        |          |              | Т        | П             |     |       | 77       |              |   |              | _        |  |          |          |            |          |
|    | 28       | 1                       |          |          |  |          | Т        |              |          |               |     |       | 78       |              |   | Γ            |          |  | Γ        |          |            |          |
|    | 29       | <b>†</b>                | 1        |          |  |          |          |              |          | П             |     |       | 79       |              |   |              |          | Г                                      | П        |          |            | $\Box$   |
|    | 30       |                         |          | _        |  |          |          |              |          |               |     |       | 80       |              |   | _            |          |  |          |          |            |          |
|    | 31       |                         |          |          |  |          | Г        |              |          |               |     |       | 81       |              |   |              |          |  |          |          |            |          |
|    | 32       |                         |          |          |  |          |          |              |          |               |     |       | 82       |              |   | Г            | П        | Г                                      |          |          |            |          |
|    | 33       | Γ                       | $\top$   |          | Г  |          |          |              |          |               |     |       | 83       |              |   | Г            |          |  |          |          |            |          |
|    | 34       | Τ                       |          |          |  |          |          |              |          |               |     |       | 84       |              |   |              |          |  |          |          |            |          |
|    | 35       |                         | Τ        | Г        | П  |          | Г        |              |          |               |     |       | 85       |              |   |              |          |  |          |          |            |          |
|    | 36       | Γ                       |          |          | Г  | Π        |          |              |          |               |     |       | 86       |              |   |              |          |  |          |          |            |          |
|    | 37       |                         |          |          |  |          |          |              |          |               |     |       | 87       |              |   |              |          | L                                      |          |          | L          |          |
|    | 38       |                         |          |          |  |          |          |              |          |               |     |       | 88       |              | L   | _            | 乚        | L                                      | _        | _        | 上          | Ш        |
|    | 39       |                         |          |          |  |          |          |              |          |               |     |       | 89       |              | L   |              |          | L                                      |          |          | L          | Ш        |
|    | 40       |                         |          |          |  |          |          |              |          |               |     |       | 90       |              |   | <u> </u>     | <u> </u> | _                                      | <u></u>  |          | 乚          |          |
|    | 41       |                         |          |          |  |          |          | Ĺ            |          |               |     |       | 91       |              | L   |              |          | L                                      |          |          | L          | Ш        |
|    | 42       | L                       |          |          |  |          |          |              | _        | Ш             |     |       | 92       |              | ļ   |              | L        | L                                      | _        | 1_       | <u> </u>   | Li       |
|    | 43       |                         | L        | L        | <u> </u>   | <u> </u> | <u> </u> | L            | _        | Ш             |     |       | 93       |              | _   |              | Ļ.,      | <u> </u>                               |          | ļ        | lacksquare | Щ        |
|    | 44       | L                       | $\perp$  |          |  |          |          | L            | L        |               |     |       | 94       |              |   | <u> </u>     | ┖        | ┖                                      | 1_       |          | ┖          | $\sqcup$ |
| _  | 45       | L                       |          |          | ļ  | <u> </u> | <u> </u> | <u> </u>     | _        | Ш             |     |       | 95       | $oxed{oxed}$ | $ldsymbol{ld}}}}}}$ | <u> </u>     | _        | Ц.                                     | <u> </u> | <u> </u> | Ь.         | Ш        |
|    | 46       | _                       | ↓        | _        | _  |          | _        | L_           | L        | Ш             |     |       | 96       | Ь.           | <u> </u>  | ┞            | 上        | <u> </u>                               | ـ        | _        | <u> </u>   | Ш        |
| _  | 47       | L                       | $\perp$  | 1_       | ļ_   | 乚        | <u> </u> | $oxed{oxed}$ | <u> </u> | Ш             |     |       | 97       | lacksquare   | _   | $oxed{oxed}$ | $\vdash$ | ــــــــــــــــــــــــــــــــــــــ | _        | <u> </u> | lacksquare | Ш        |
|    | 48       | _                       | 1_       | 1_       | ┞_   | L        | _        | L.           |          | Ш             |     |       | 98       | $\vdash$     | <u> </u>  | <u> </u>     | <b>!</b> | ↓                                      | <b>L</b> | ļ        | $\vdash$   | Ш        |
|    | 49       | L                       | ↓        | <u> </u> | <u> </u>   | ऻ_       | ऻ_       | L_           | _        | Ш             |     |       | 99       | $\vdash$     | L   | <u> </u>     | _        | ↓_                                     | ↓        | <b> </b> | $\vdash$   | $\sqcup$ |
|    | 50       | L                       | <u> </u> | L        | $L_{-}$  | _        | <u></u>  | <u> </u>     | L_       | Ш             |     | L     | 100      |              | L   | <u>L</u>     |          | _                                      |          | Ц_       | Щ.         |          |
|    |          |                         |          |          |  |          |          |              |          |               |     |       |          |              |   |              |          |  |          |          |            |          |

| Cli      | aim                                    | Date   |          |              |          |          |              |                 |              |                |  |  |
|----------|--|--|----------|--------------|----------|----------|--------------|-----------------|--------------|----------------|--|--|
| Final    | Original                               |  |          |              |          |          |              |                 |              |                |  |  |
|          |  |  | $\dashv$ | $\dashv$     | $\dashv$ |          |              | $\dashv$        | _            | $\dashv$       |  |  |
|          | 101<br>102                             |  |          |              |          |          |              |                 |              |                |  |  |
|          | 103                                    |  |          |              |          |          |              |                 |              |                |  |  |
| _        | 104<br>105                             |  | _        | _            |          |          |              |                 | _            | _              |  |  |
|          | 105                                    |  | $\dashv$ |              |          |          |              |                 |              | _              |  |  |
|          | 106                                    |  | _        | _            | _        |          |              |                 | -            |                |  |  |
|          | 107<br>108                             |  | -        |              | -        | _        | -            |                 |              | $\dashv$       |  |  |
|          | 100                                    |  |          | -            |          | _        |              | -               |              | $\dashv$       |  |  |
|          | 109<br>110                             |  |          |              | _        | _        |              | $\dashv$        |              | $\dashv$       |  |  |
|          | 111                                    |  |          | $\exists$    |          |          |              | $\dashv$        |              | $\dashv$       |  |  |
|          | 112                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 112<br>113<br>114<br>115<br>116<br>117 |  |          |              |          |          |              |                 |              |                |  |  |
|          | 114                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 115                                    |  |          | Щ            |          | _        |              | Ш               |              |                |  |  |
|          | 116                                    |  |          |              |          |          | _            |                 |              | Ш              |  |  |
|          | 11/                                    | -  |          |              |          | _        | -            | $\vdash \vdash$ | <u> </u>     | -              |  |  |
|          | 118<br>119                             | -  |          |              |          |          |              | $\vdash$        | $\vdash$     | $\dashv$       |  |  |
|          | 120                                    | $\vdash$   |          |              | -        | -        | H            | $\vdash$        |              | $\dashv$       |  |  |
|          | 120<br>121                             | $\vdash$   |          |              | _        | <u> </u> | ┢            |                 |              | -              |  |  |
|          | 1 122                                  |  |          |              |          |          | ┢            | $\overline{}$   |              |                |  |  |
|          | 123<br>124<br>125                      |  |          |              |          |          |              |                 |              |                |  |  |
|          | 124                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 125                                    |  |          |              |          |          |              |                 | Ш            |                |  |  |
|          | 126                                    | L  |          |              |          | <u> </u> |              |                 |              | Щ              |  |  |
|          | 127                                    |  |          |              | _        | _        | <u> </u>     |                 |              |                |  |  |
|          | 128                                    |  |          | -            |          |          | <u> </u>     |                 |              |                |  |  |
|          | 126<br>127<br>128<br>129<br>130        |  | <u> </u> | -            | _        | -        | _            | $\vdash$        |              |                |  |  |
|          | 131                                    |  | _        | -            |          |          | -            |                 | H            |                |  |  |
|          | 131<br>132                             |  | $\vdash$ | $\vdash$     | -        | -        | ╁            | -               | <u> </u>     |                |  |  |
|          | 133                                    | <del>                                     </del> |          | <del> </del> |          | ┢        | $\vdash$     | $\vdash$        | $\vdash$     | Н              |  |  |
| -        | 134                                    | <del>                                     </del> |          | -            |          |          |              |                 |              | Н              |  |  |
|          | 134<br>135                             |  |          |              |          |          |              |                 | $\Gamma^-$   |                |  |  |
|          | 136                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 137<br>138                             |  |          |              |          |          |              | <u> </u>        |              |                |  |  |
|          | 138                                    |  | L        | _            | L.       | _        | _            | <u> </u>        | <u> </u>     | $\square$      |  |  |
| <u> </u> | 139<br>140                             | <u> </u>   | _        | <u> </u>     | <u> </u> | _        | <u> </u>     | <u> </u>        | <u> </u>     | Ш              |  |  |
|          |  |  | <u> </u> | -            | _        | $\vdash$ |              |                 | -            |                |  |  |
|          | 141                                    | $\vdash$   | $\vdash$ | $\vdash$     | ├-       | $\vdash$ | ├            | $\vdash$        |              | $\vdash\vdash$ |  |  |
|          | 143                                    | -  | $\vdash$ | $\vdash$     | $\vdash$ | -        | ├-           | $\vdash$        | $\vdash$     | $\vdash$       |  |  |
|          | 144                                    | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | -        | <del> </del> | -               | <del> </del> | H              |  |  |
|          | 145                                    | ┢  | $\vdash$ |              |          | T        | Т            |                 |              | $\vdash$       |  |  |
|          | 146                                    | T  | T        |              |          | <u> </u> | 1            | 1               | İ            | П              |  |  |
|          | 147                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 148                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 149                                    |  |          |              |          |          |              |                 |              |                |  |  |
|          | 150                                    |  |          |              |          |          | L            |                 |              |                |  |  |